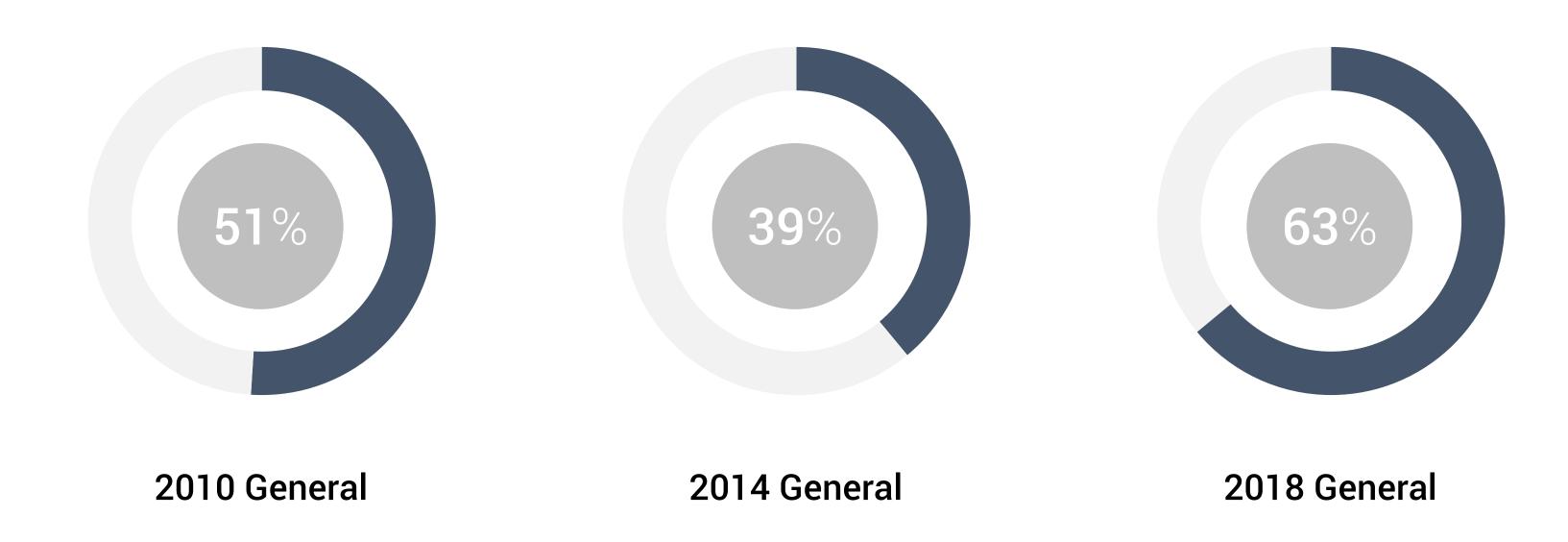


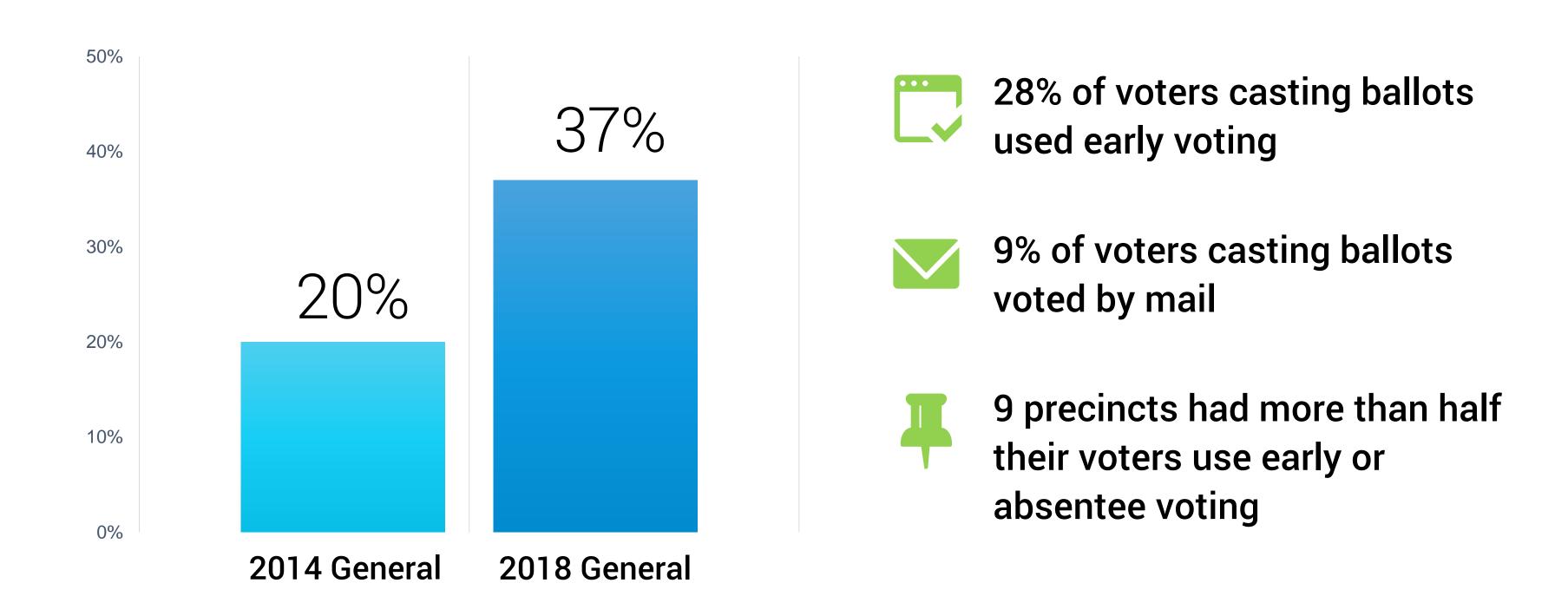


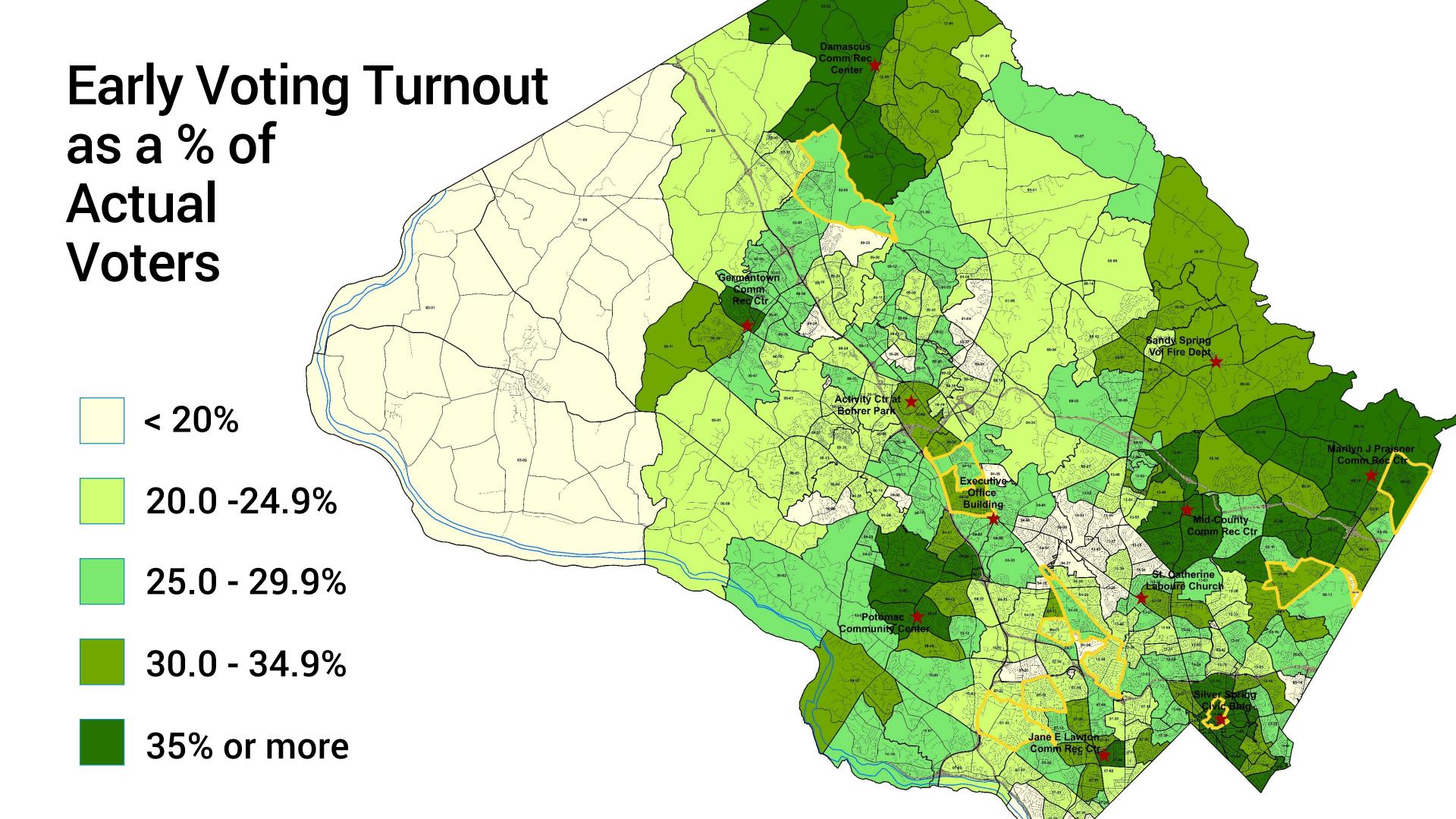
Overall turnout was up significantly

More than 410,000 voters (63%) was a large increase from recent, similar elections



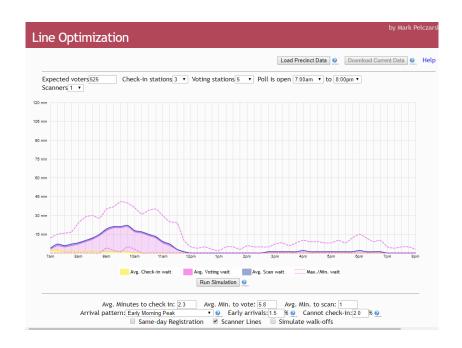
More voters are voting before Election Day







Equipment Allocation



Optimization tool to determine equipment based upon expected voter turnout* and SBE's recommendations

*Formula found at Election Assistance Commission



Factors in Allocations

- Election Day turnout
- Percentage of elderly in precinct
- Percentage of Section 203 population
- Other factors

Scanner Allocation

- 3-4 Scanners = 8%
- 2 Scanners = 88%
- 1 Scanner = 4%

Two polling places had a scanner added on Election Day – 07-19 & 07-23





Methodology How we determine wait times

Information from wait time cards reported by voters

Survey of Chief Judges asking questions about wait times and resource allocation

Wait Time = waiting time at all stations (check in, ballot distribution, voting booths, and scanners)

The American Voting Report and Recommendations of the Presidential Commission on Election Administration

"No citizen should have to wait more than 30 minutes to vote; jurisdictions can solve the problem of long lines through a combination of planning... and the efficient allocation of resources."

Wait Times Short to no wait for most voters

76% of polling places never exceeded a 30-minute peak wait time on Election Day

The average wait time for a typical voter was approximately 7 minutes with an average peak wait time of 20 minutes across all polling places

A dozen polling places had very long wait times of 1-2 hours at their peak times



Wait Times Four Comparison Groups



45 polling places Peak wait: 35-55 minutes

Long Wait Group

12 polling places Peak wait: 60-120 minutes

Short Wait Group

77 polling places Peak wait: 20-30 minutes

No Wait Group

102 polling places Peak wait: 15 minutes or less

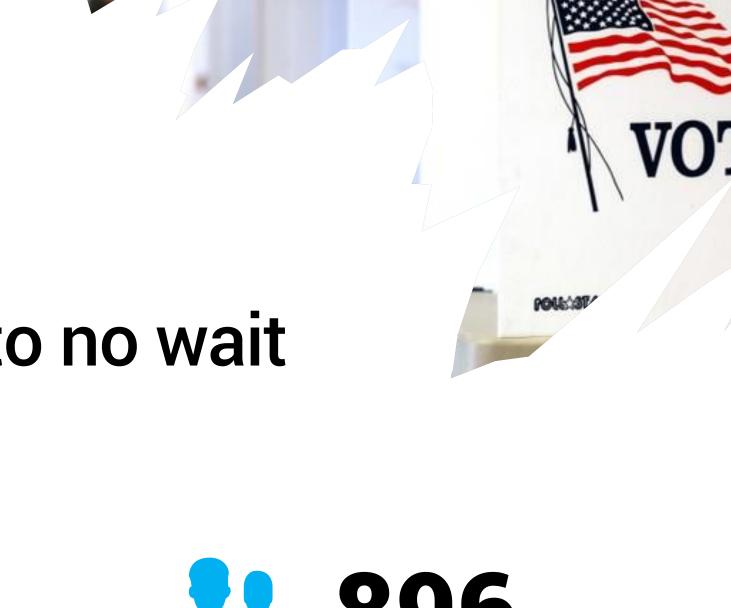


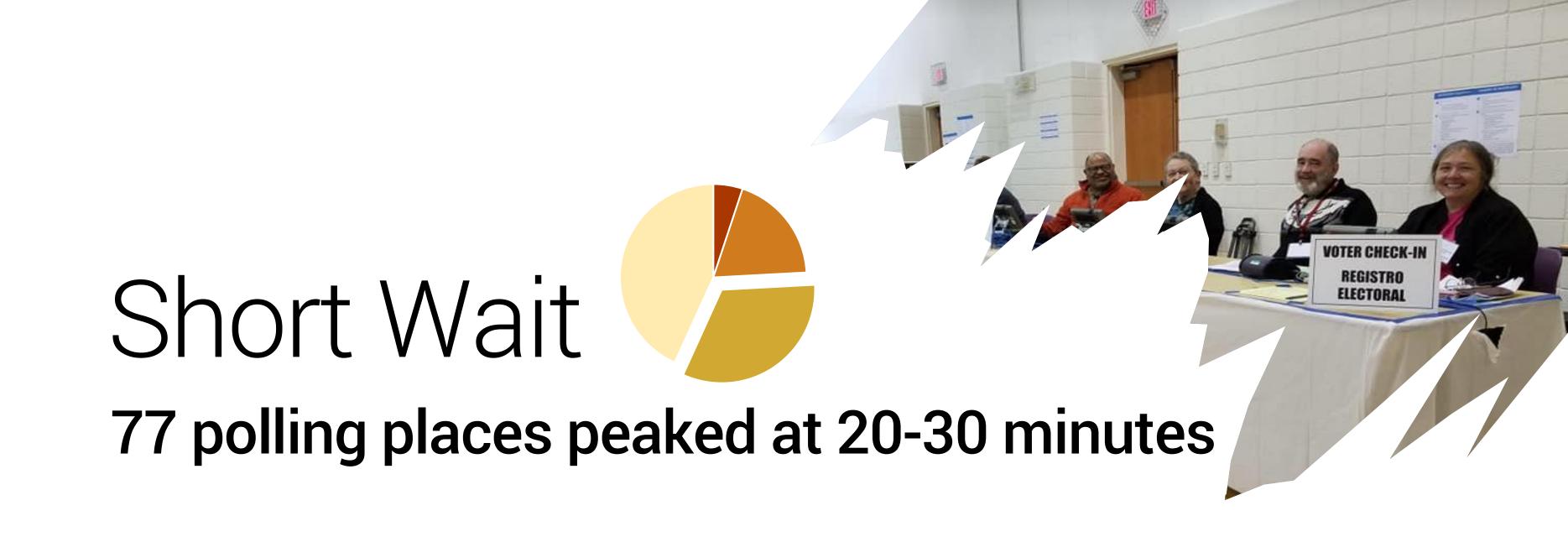














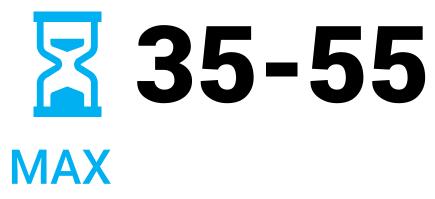






Moderate Wait

45 polling places waited 35-55 minutes at peak





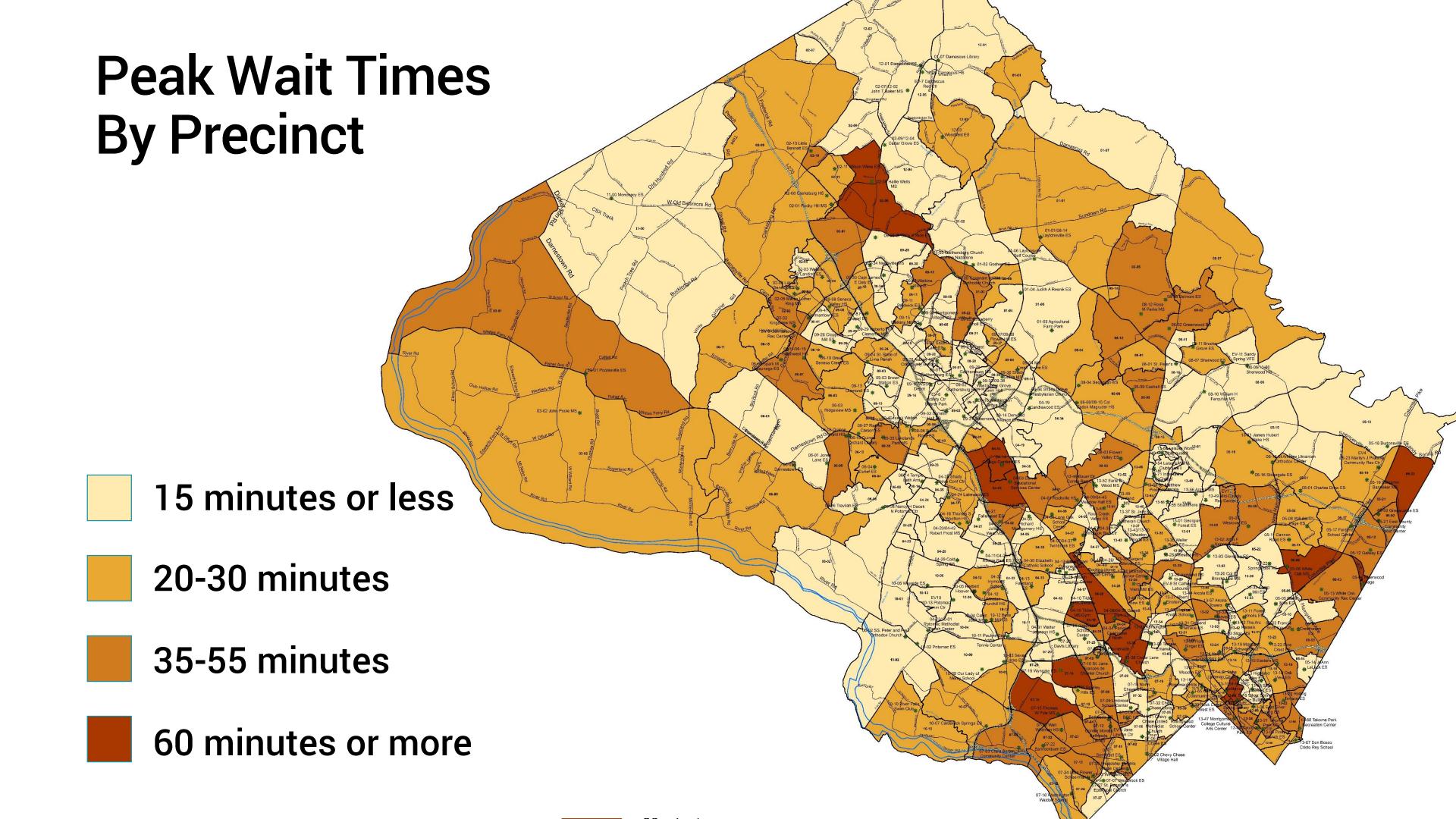














CONTRIBUTING FACTORS



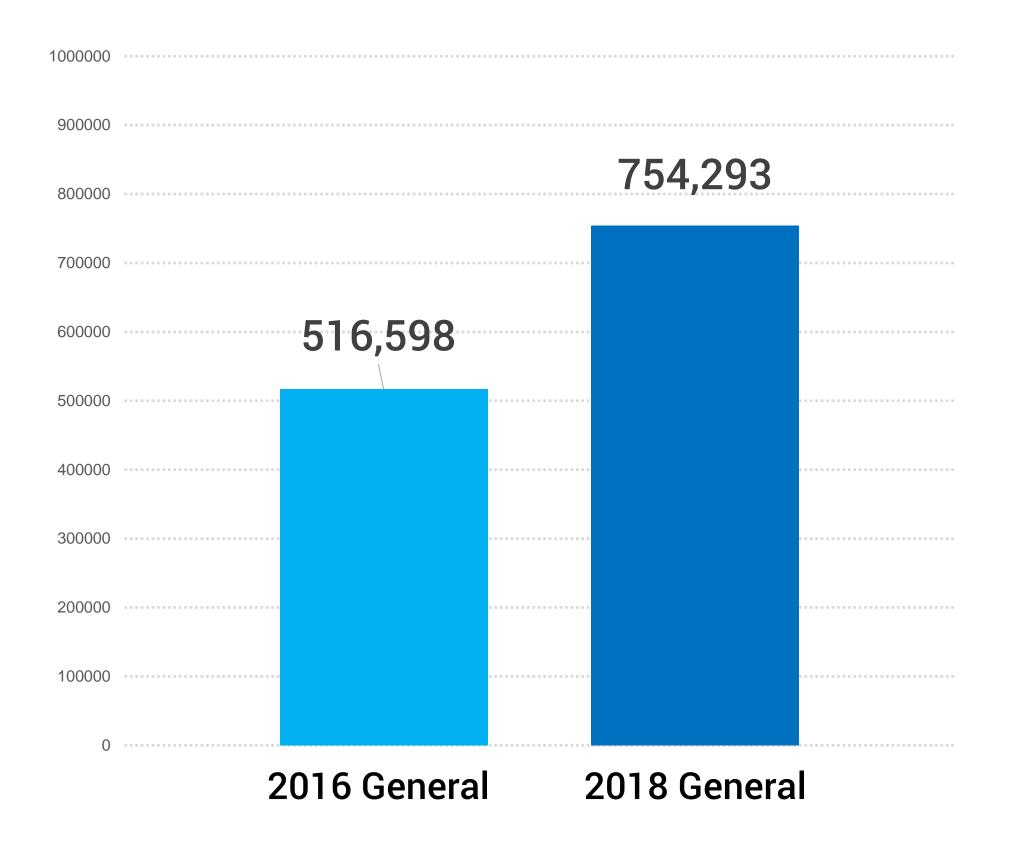


3-Card Ballot

- A longer ballot on three pages added pressure on workers and equipment
- Three pages added valuable seconds to each voter's scanning time
- Increases likelihood of scanner jams



of Cards — Election Day





Scanners and Voting Booths

- Chief Judges reported wanting more voting booths (72%) and scanners (44%)
- Allocations did meet and often exceeded state requirements



Equipment Breakdowns

- Scanner jams and errors
- Backup scanners were not available (all in use)
- Humidity increased jam frequency
- Chief Judges understanding of the bypass procedure
- Response time was slow



Slow Process at Scanning Units

- Frequent corrections meant repeat line trips
- Blank pages present a failsafe message
- Scanner judge instructions too slow and not clear enough



Larger Voter Turnout and Heavier Peaks

of Actual Voters by Group

Long group 1,556

Moderate group 1,402

Short group 1,128

No wait group 895



Election Worker Staffing

Election Workers by Group

Long group 11.8

Moderate group 11.5

Short group 10.8

No wait group 11.0



Size of Polling Places

Most polling places had sufficient space, but 20% of Chief Judges reported needing more room



Voting Behavior

- The arrival patterns and voting choices of voters will continue to be difficult to predict with more voting options
- Factors like weather and voter excitement can impact the timing of voting



Non-factors

- Chief Judges reported largely having sufficient pollbooks (83%)
- Early Voting turnout did not impact Election Day lines significantly aside from a few exceptions



Explanations for Long Wait Group

Locations in Long Wait Group

02-06 04-03	Hallie Wells Middle School Carver Educational Services Center
04-08/33	Garrett Park Elementary School
04-10	Tilden Middle School
04-14	College Gardens Middle School
05-04	Riderwood Village
05-06	White Oak Middle School
05-23	Praisner Community Recreation Center
07-15	Thomas W. Pyle Middle School
07-19	Wyngate Elementary School Silver Spring Library Cedar Lane Unitarian Universalist Church
13-05	Silver Spring Library
13-38	Cedar Lane Unitarian Universalist Church

More than 150 provisional ballots

02 - 0604 - 0304-08/33 04-10 04 - 1405-0405-06

05-23

07-15

07 - 19

13-05

13-38

Hallie Wells Middle School

Conver Educational School

Carver Educational Services Center

Garrett Park Elementary School

Tilden Middle School

College Gardens Middle School

Riderwood Village

White Oak Middle School

Praisner Community Recreation Center

Thomas W. Pyle Middle School

Wyngate Elementary School

Silver Spring Library

More than 4,000 registered voters

02-06 04-03 04-08/33 04-10 04 - 1405-0405-06 05-23 07 - 1507-19 13-05

13-38

Hallie Wells Middle School Carver Educational Services Center

Garrett Park Elementary School
Tilden Middle School
College Gardens Elementary School
Riderwood Village
White Oak Middle School

Praisner Community Recreation Center Thomas W. Pyle Middle School

Wyngate Elementary School

Silver Spring Library

Over 75% of voters voting on Election Day

02 - 0604 - 0304-08/33 04-10 04 - 1405-04 05-06 05-23 07 - 1507 - 1913-05

13-38

Hallie Wells Middle School Carver Educational Services Center Garrett Park Elementary School Tilden Middle School College Gardens Middle School

Riderwood Village

White Oak Middle School

Praisner Community Recreation Center

Thomas W. Pyle Middle School

Wyngate Elementary School

Silver Spring Library

Voter-to-worker ratio of 150 or more

02 - 0604 - 0304-08/33 04 - 1004 - 1405-0405-06

05-2307 - 1507-19 13-05

13-38

Hallie Wells Middle School Carver Educational Services Center

Garrett Park Elementary School Tilden Middle School

College Gardens Middle School

Riderwood Village

White Oak Middle School

Praisner Community Recreation Center

Thomas W. Pyle Middle School

Wyngate Elementary School

Silver Spring Library
Cedar Lane Unitarian Universalist Church

Significant/repeated equipment malfunctions

02 - 0604 - 0304-08/33 04-10 04-14 05 - 0405-06 05-23 07 - 1513-05

Hallie Wells Middle School
Carver Educational Services Center
Carrett Dark Elementary School

Garrett Park Elementary School Tilden Middle School College Gardens Middle School

Riderwood Village White Oak Middle School

Praisner Community Recreation Center

Thomas W. Pyle Middle School Wyngate Elementary School

Silver Spring Library

Reported needing additional scanners

02-06 04-03 04-08/33 04-10 04 - 1405-04 05-06 05-2307 - 1507-19

13-05

Hallie Wells Middle School

Carver Educational Services Center Garrett Park Elementary School

Tilden Middle School

College Gardens Middle School Riderwood Village White Oak Middle School

Praisner Community Recreation Center Thomas W. Pyle Middle School

Wyngate Elementary School

Silver Spring Library

Cedar Lane Unitarian Universalist Church

Very large surge of voters <u>late</u> in the day

02 - 0604 - 0304-08/33 04 - 1004 - 1405 - 0405-06 05-23

07-25 07-15 07-19

13-05

13-38

Hallie Wells Middle School

Carvor Educational Services Contor

Carver Educational Services Center

Garrett Park Elementary School

Tilden Middle School

College Gardens Middle School

Riderwood Village

White Oak Middle School

Praisner Community Recreation Center

Thomas W. Pyle Middle School

Wyngate Elementary School

Silver Spring Library

Cedar Lane Unitarian Universalist Church

Very large surge of voters <u>early</u> in the day

02-06

04-03

04-08/33

04-10

04 - 14

05-04

05-06

05-23

07-15

07 - 19

13-05

13-38

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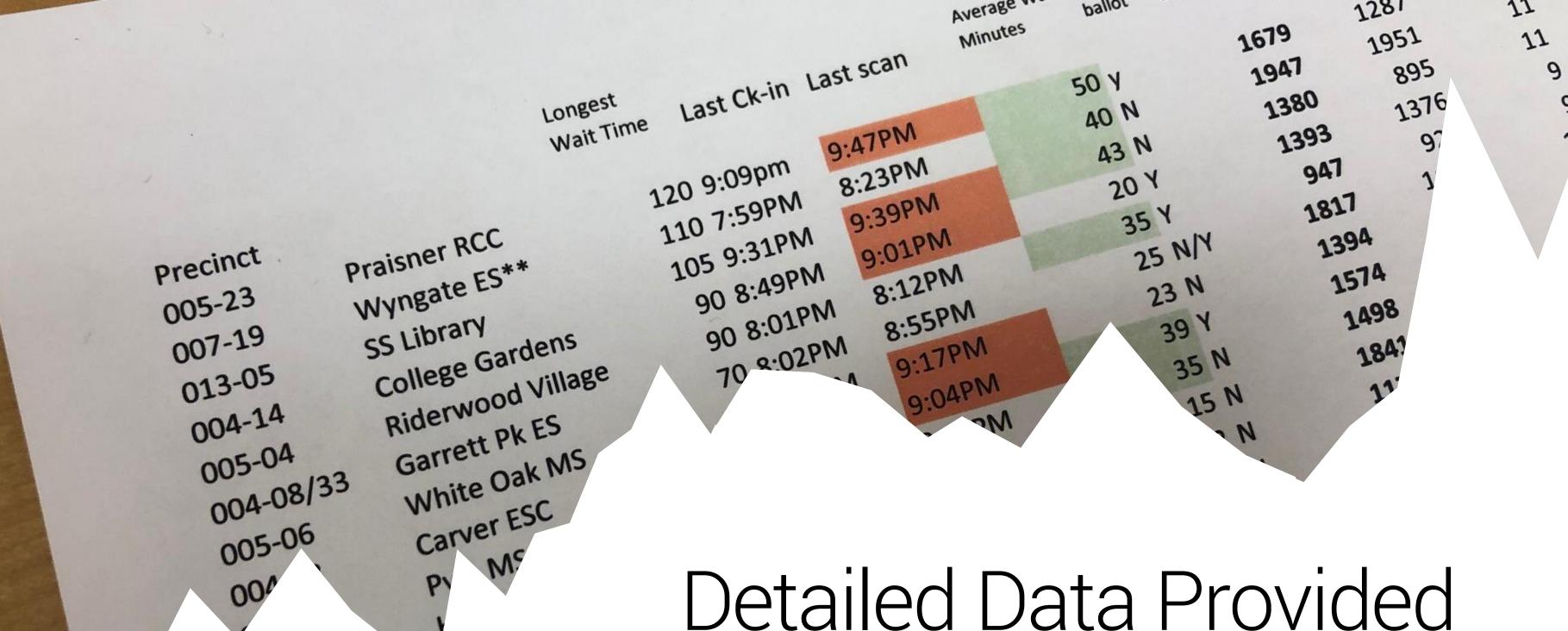
Praisner Community Recreation Center

Thomas W. Pyle Middle School

Wyngate Elementary School

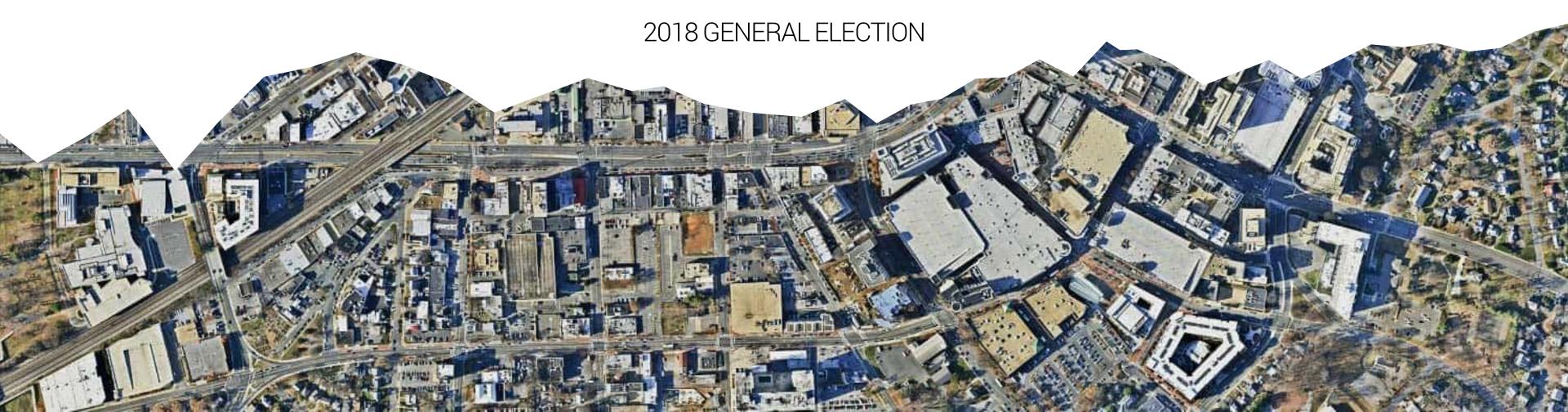
Silver Spring Library

Cedar Lane Unitarian Universalist Church





STAFF RECOMMENDATIONS



Acquire Additional Scanners

- Additional scanners could reduce lines on Election Day and may be needed if a 3-page ballot arises again
- Scanners needed in reserve in case of malfunction

Add Additional Voting Booths

- Quality control on existing booths
- Order additional/replacement booths
- Provide more privacy screens for seated voting to easily increase capacity at low cost

Improve Allocation Process

- Expand resource allocations at heavy turnout sites
- Link equipment allocations to ratios (e.g. – each pollbook is 5 booths, 1 scanner, etc.)
- Increase staffing numbers at the busiest polling places

Improve Allocation Process

- Update allocations for populations with special needs or voting patterns
- Factor in how automatic and same-day registration could impact processing times and equipment needs

Improve Tech Support Network

- Expand technical training for roamers already in the field
- Create an IT rover network to more quickly respond to reported issues
- Expand use of county IT staff for cost effectiveness

Examine Voting Rooms

- Check if alternative facility options might provide a better voting room
- Use alternative layouts to use space effectively
- Make sure layouts are maximizing space usage

Add and Update Signage

- Reduce election worker traffic control duties by adding large signs with numbers (e.g. – "1 – Check In Here") so voters know where to go next in the polling place
- Numbers are a universal language

Assign Line Managers

- At certain locations, provide floating workers to help direct voters to their correct location
- Provide maps that detail the proper polling place to reference
- Separate provisional votes from regular voters at certain sites

